

WHAT IS CLAIMED IS:

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1. A multichannel recording device for recording digital data constituting a program on a disc-shaped recording medium using a specified minimum data length unit that must be contiguous, the device comprising control means for alternately recording digital data constituting a first and second programs that are mutually different, on said disc-shaped recording medium using said specified data length unit.

2. A multichannel recording device according to claim 1, wherein while the digital data constituting said first and second programs that are mutually different are being alternately recorded on said disc-shaped recording medium using said specified data length unit said, if there is an area in the recording direction where other data are recorded, said control means skips the area during the recording.

3. A multichannel recording device according to claim 1, wherein said control means records information on said disc-shaped recording medium, the information being used to command reproducing means for reproducing said disc-shaped recording medium to automatically sequentially reproduce said first and second programs in the order of a channel number or a recording start time.

4. A multichannel recording device according to claim 1, wherein said control means records information

on said disc-shaped recording medium, the information being used to command reproducing means for reproducing said disc-shaped recording medium to reproduce one of said first and second programs which has been requested for reproduction.

5           5. A multichannel recording device for recording digital data constituting a program on a disc-shaped recording medium using a CDA unit, the device comprising control means for alternately recording  
10 digital data constituting a first and second programs that are mutually different, on said disc-shaped recording medium using said CDA unit.

          6. A multichannel recording method for recording digital data constituting a program on a disc-shaped  
15 recording medium using a specified minimum data length unit that must be contiguous, wherein digital data constituting a first and second programs that are mutually different are alternately recorded on said disc-shaped recording medium using said specified data  
20 length unit.

          7. A multichannel recording method according to claim 6, wherein while the digital data constituting said first and second programs that are mutually different are being alternately recorded on said disc-  
25 shaped recording medium using said specified data length unit said, if there is an area in the recording direction where other data are recorded, the area is

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skipped during the recording.

5 8. A multichannel recording method according to claim 6, wherein information is recorded on said disc-shaped recording medium, the information being used to command reproducing means for reproducing said disc-shaped recording medium to automatically sequentially reproduce said first and second programs in the order of a channel number or a recording start time.

10 9. A multichannel recording method according to claim 6, wherein information is recorded on said disc-shaped recording medium, the information being used to command reproducing means for reproducing said disc-shaped recording medium to reproduce one of said first and second programs which has been requested for reproduction.

15 10. A multichannel recording method for recording digital data constituting a program on a disc-shaped recording medium using a CDA unit, wherein digital data constituting a first and second programs that are mutually different are alternately recorded on said disc-shaped recording medium using said CDA unit.

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